



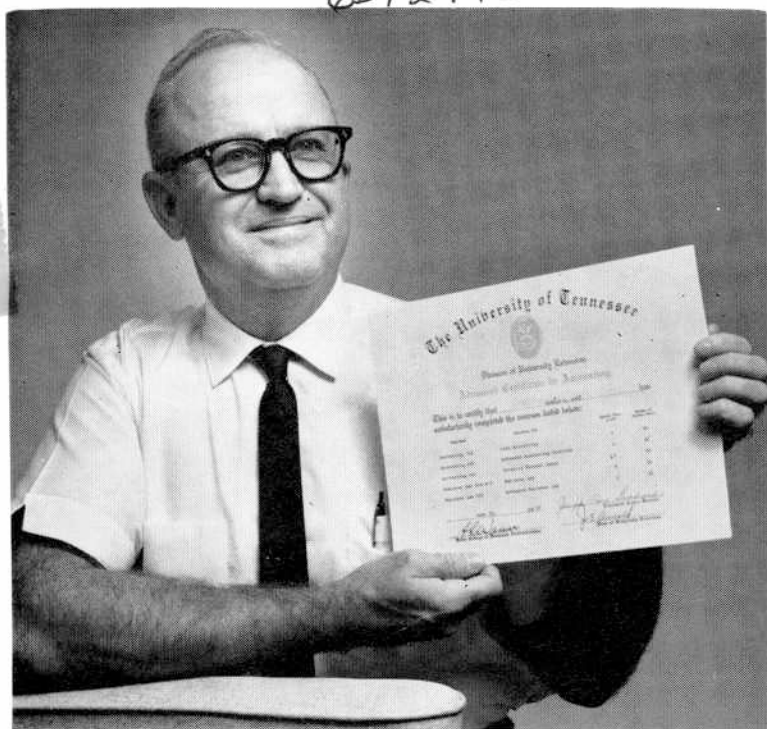
Y-12 BULLETIN

A Newspaper For Y-12 Employees of Union Carbide Corporation—Nuclear Division

VOL. 19 — NO. 33

OAK RIDGE, TENNESSEE

Wednesday, August 18, 1965



ARNOLD R. AGEE proudly accepts his advance certificate in Accounting from the University of Tennessee. Agee gave much of the credit to the certificate-earning to Carbide's Educational Assistance Program.

Arnold Agee Takes Certificate In Advanced Accounting At UT

The latest 'degree-taker' in Y-12 is Arnold R. Agee, M-Wing Shop. Agee recently took a certificate from the University of Tennessee in "Advanced Accounting."

The course requires a total of 21 quarter hours of Cost Accounting, Advanced Accounting Problems, Advanced Federal Taxes, Business Law and Advanced Business Law.

In a letter of transmittal to Harold E. Alvey, Joseph P. Goddard, director of UT Evening School, states: "We wish to congratulate one of your employees on his completion of our certificate in Advanced Accounting at the University of Tennessee's Evening School. We are proud of all adults who attend the school on their own time and advance themselves so that they can be of more service to their organization . . . Once again, we wish to congratulate Mr. Agee and hope that in the future we will be able to be of further service to you and your employees."

Agee, who came to Y-12 June 26, 1962 from Oak Ridge Gaseous

Diffusion Plant, is a native Middle Tennessean . . . born and reared in New Middleton. He served in the United States Army during 1942-1945. His service date goes back to January 23, 1947. He had served briefly in Y-12 during the early days of Oak Ridge.

Married to the former Ruth Atwood, Agee lives at 621 Pennsylvania Avenue, where he grows a multitude of beautiful flowers. As a matter of fact, he numbers a variety of 250 flowers in his well-planned garden . . . mostly iris. From early Spring until late fall . . . his back yard is the showplace of the neighborhood.

The Agees have one son George L. Agee.

The degree awarded Agee is further testimonial to the effectiveness and benefits reaped under Union Carbide's Educational Assistance Program.

'Students' from every section of the plant continue to further their educational pursuits, thanks to the plan.

Congratulations, Agee!

Carbide Supplies Dry Cells To US

A \$1.7 million contract has been awarded to Union Carbide by the U. S. Army Command in Philadelphia. The contract covers 450,000 dry cell batteries for use in electronic communications equipment. They will be produced in Charlotte, North Carolina, at one of seven battery plants operated by Union Carbide's Consumer Products Division.

The first commercial dry cell battery was produced by one of the founding companies of Union Carbide — National Carbon Company — back in 1890. Today, Union Carbide markets about 450

Radioisotopes Find Uses In Today's Work

Radioisotopes are in routine use in three main ways in industry — gaging, radiography and tracer studies. Relatively new applications with great future potential include the use of radiation for food pasteurization, sterilization of such products as medical supplies and the initiation of chemical reactions.

different types of batteries under its Eveready trade mark. They are used in flashlights, radios, television sets, hearing aids, photoflash units, toys and a variety of battery-operated appliances—including carving knives, hedge-trimmers, toothbrushes, and vacuum cleaners.

Secretaries Planning Course Enrollment

Courses Prepare For CPS Examination

The local chapter of the National Secretaries Association is supporting a drive to enlist secretaries, stenographers and other clerks to participate in courses, which will enable them to qualify as Certified Professional Secretaries.

A CPS is one who has successfully completed a rigid examination covering Office Procedures, Business Administration, Accounting, Secretarial Skills, Human Relations and Business Law.

To qualify for the examination, a secretary must have the following combination of education and experience:

- Four years of high school and seven years of verified experience.
- One year of college and six years experience.
- Two years of college and five years experience.
- Three years of college and four years experience.
- Four or more years of college and three years experience.

Management of companies recognize and appreciate more and more the qualifications of the secretary who has earned the CPS title. The Oak Ridge Chapter of the NSA is eager to help anyone become a CPS by setting up courses geared to individual educational need to meet the test requirements.

One does not have to be an NSA member to take the CPS examination. If you are interested in taking the courses, contact Nelline Ross, Building 9201-2, or telephone Mabel Tyer, extension 3-7121.

For detailed information about the examination, plan now to attend the Seminar for Career Secretaries at the Holiday Inn, September 11.

Names must be in by next Wednesday, August 25, so that courses may be planned for the fall quarter. Any member of the Secretaries group will be able to help with more information, particularly Mrs. Ross and Miss Tyer.

BIG AND FULL OF LIFE

The 272-foot high California redwood tree named "General Sherman" is the most massive living thing on earth. Located in the Sequoia National Park it has a base circumference of 101 feet and requires 17 men to encircle it with outstretched arms.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated

33 Days Or

869,000 Man-Hours

(Unofficial Estimate)

Through August 15

Without A Disabling Injury

For Daily Report
On Accident-Free Hours
Phone 3-7755

Radiation Evacuation Drill Set 'Sometime In September'

The safety philosophy in Y-12 is simply stated and easily understood. "There is a firm responsibility for each and every one of us in the Y-12 Plant which is to dedicate ourselves not only to the purpose of seeing our individual job being well done, but to also express a profound interest in the welfare and protection of our fellow employees and the plant in which we work."

Since Y-12 handles many radioactive materials in its work, a complex series of detection alarms are placed in strategic locales. These alarms are geared to detect any radiation that might endanger personnel in the plant.

Each Alarm System Will Be Activated By A Radiation Source

In keeping with the above, some time during the month of September, employees in Y-12 buildings covered by radiation alarm systems will participate in a radiation evacuation drill. Each system will be activated with a radiation source to determine if the system will adequately alarm all areas concerned with an audible alarm signal.

The purpose of the drill is twofold: to test each radiation detection and alarm system for proper function; and to test established procedures for building evacuation and assembly station operations.

The drill will concern only those people working in the areas where radiation monitor alarm systems exist, which are Buildings 9720-8, Area 3 (Buildings 9202, 9203, etc.), Building 9201-4, 9201-5, Building 9204-2, Building 9204-3, Building 9206 Complex (including 9723-11A, 9710-2 and others), Building 9204-4, Building 9720-5, Buildings 81-22, 9720-18; and the Area Five Complex (Buildings 9212, 9215, 9998, 9995, 9996, 9723-14, 9723-15 and 9723-25).

Persons In Alarm Areas Should Locate Nearest Assembly Station

Effectuated employees will evacuate the alarmed areas and proceed to their respective radiation assembly stations. (Employees working in alarm areas should check the station nearest his work area before September 1. These stations are clearly identified throughout the plant area by large circles, painted orange, mounted on steel plates, and numbered "2" through "11.")

A public address announcement will be made to employees three minutes before the alarms are activated. This will be the only preliminary warning employees will have before the drill is started.

Employees To Return To Work When Drill Is Completed

The Shift Superintendent will direct all emergency teams to survey the affected areas, reset the monitors and silence the alarms. He will direct activities throughout the plant through the radio nets and the plant public address system. When the drill is complete, personnel will be directed to return to their regular work locations. The time from the initial alarm until the all-clear order is issued to return to regular work should require approximately 15 minutes.

The scheduled drill will be held during the day shift some time in September. Thus, the maximum number of personnel involved in a radiation evacuation will be drilled.

The perimeter gates will be closed. Traffic through these gates will be limited to an emergency basis only.

Employees in areas not involved in the tests will continue at work and not evacuate. These employees work in such buildings as 9704-2, the Biology area, 9201-2, 9204-1, 9201-1, 9401-3, and others.

Radiation Safety personnel and Emergency Squad personnel will be involved in the test, as well as the Plant Shift Superintendents' Office. The trailer complex will be alerted and put into operation.

Areas Will Be Checked To See If All Employees Have Evacuated

Watchers will be stationed at selected locations to observe drill progress. Alarmed areas will be checked to determine that all personnel have evacuated the areas.

Several employees will be selected at the assembly stations and directed to the monitoring depots. From the depots, "patients" will be selected to be sent to the Dispensary where they will be received by the medical staff and the radiation team.

In the Safety Agenda Supplement issued in the plant last week, there is the admonition: ALWAYS TREAT EVERY MONITOR ALARM AS THE REAL THING! Part IIC of the Y-12 Emergency Manual gives detailed information on the orderly evacuation of the plant.

Effectuated employees are urged to evacuate to the assembly stations in a rapid yet orderly manner. Employees, not effected by the drill will continue work as usual.

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNGEditor

Member



Appalachian
Industrial
Editors'
Association

OFFICE

Post Office Box Y
Oak Ridge, Tenn. 37831
Bldg. 9704-2 Room 137
Telephone 3-7100

Division Sets Picnic At Park

The Product Engineering Division has set aside Saturday week, August 28, for a big picnic at the Carbide Recreation Area.

Alongside the beautiful Melton Hill Lake PE folks will partake of food (their own . . . it says here to bring picnic lunch, soft drinks, water skis and belt, suits and water wings) and other activities associated with an all-day outing.

A tug of war is planned . . . old fashioned Tennessee style. Dividing the two sides will be a mire (mixture of dirt and water, which gives you instant goo). There will be volley ball, badminton and horseshoes available. There are individual picnic tables at the Recreation area with grills available for barbecuing.

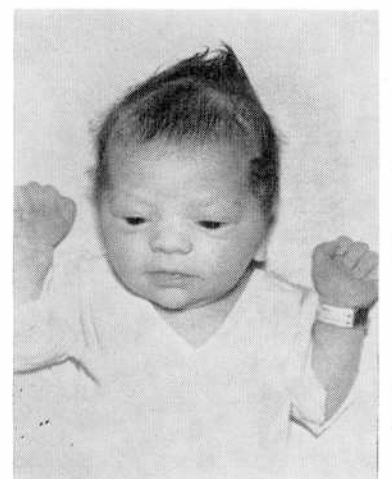
The clan will start gathering about 10 a.m. August 28.

Make your plans now to come on out and rub elbows with your fellow employees in Product Engineering.

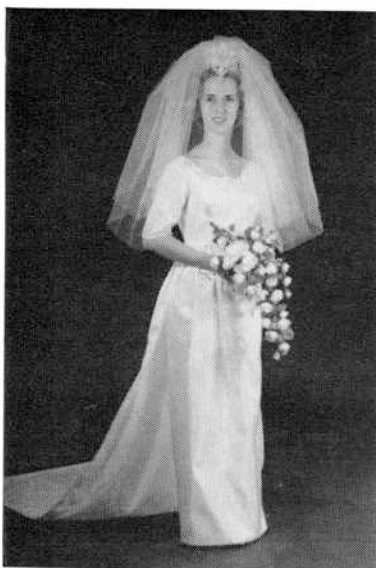
Body Replaces Blood In Very Short Period

Science knows what is in a pint of human blood . . . 12 ounces of water, two and one-half ounces of hemoglobin, one teaspoon of salt, one ounce of protein, one-twentieth ounce of iron and small amounts of minerals and vitamins. In a very short time your own body efficiently replaces this material that science has not been able to duplicate.

Unimportant as this pint of blood may be to you, it can and will save another human life.



NEWLY-ARRIVED at the Paul Febbo household is little Marie. She was born July 22 at Ft. Sanders Hospital, weighing six pounds, four and one-half ounces. A brother, 7, awaits her at home. Mother Pat is doing nicely, according to reports. Febbo is in Y-12's Tool Engineering.



Mrs. Charles Allen Crenshaw
(Geraldine Callaway)



Mrs. Wm. C. Scarborough III
(Shirley Glee Seddon)

SCARBOROUGH—SEDDON

A double-ring ceremony at 7:00 p.m. Friday, August 6, united Miss Shirley Glee Seddon and Mr. William Creamor Scarborough in marriage. The wedding was performed by the Reverend L. C. Roberts, pastor, at the Oakwood Baptist Church, Knoxville.

The bride is the daughter of Mr. and Mrs. Thomas A. Seddon Jr., 706 Emerald Avenue, Knoxville. Her father is in Y-12's Process Maintenance. The groom is the son of Mr. and Mrs. William C. Scarborough Jr., Portsmouth, Virginia.

The wedding gown of white silk faced with peau de soie was fashioned with long pointed sleeves and scoop neckline. The alencon lace motifs trimmed the neckskirt front. The skirt swept into a full chapel train. The bride carried a cascade bouquet of white roses topped with a white orchid.

Bridal attendants were Miss Brenda Wilson, Greenville, Tennessee; Miss Joyce Wiles, Knoxville, and Miss Linda Neas, cousin, of Afton, Tennessee. Miss Debbie Marie Haney, cousin of the bride, Johnson City was a junior attendant.

Mr. Larry Scarborough, Portsmouth, served as his brother's best-man. Other attendants to the groom were Louie Stankins, Virginia Beach, Virginia; Wayne Wolf, Portsmouth; Jay Cox, Maryville, Tennessee; and William Bryant, Knoxville, Tennessee.

The bride graduated from Knox Fulton High School and attended the University of Tennessee. She is now a senior at East Tennessee State University.

The groom graduated from Cradock High School, Portsmouth, and East Tennessee State University. He is employed by the F. W. Woolworth Company, Bristol, Virginia. The couple will reside in Johnson City.



WEDDINGS

CRENSHAW—CALLAWAY

Miss Geraldine Callaway and Mr. Charles Allen Crenshaw were married at 8 p.m., Saturday, July 17, at the First Baptist Church, Clinton. The candlelight service was conducted by the Reverend Hayward Highfill. The church was decorated in a setting of palms with arrangements of white fugi chrysanthemums and white gladioli.

The bride is the daughter of Mr. and Mrs. Virgil Thomas Callaway, 508 Westbury Drive, Clinton. Mr. Callaway is in Y-12's Electrical Department. The groom is the grandson of Mrs. A. J. Dowling, 601 Concord Avenue, Charlottesville, Virginia.

The bride, given in marriage by her father, wore a sheath gown of peau de soie with a panel train. A wide band of Alencon lace trimmed the Empire waist. A tiered cluster of lace petals trimmed in seed pearls and crystals held her bouffant veil of silk illusion. She carried a bouquet of phalenopsis orchids and ivy.

Miss Becky Callaway was her sister's maid of honor. Other attendants were Mrs. Richard Marshall, Atlanta; Miss Becky Thompson, Beckley, West Virginia; and Miss Peggy Williams, Mobile, Alabama. Dana Rains served as a flower girl.

Larry Brooks, Chattanooga, was best man and ushers were Monte Bickley, Alvin Morris and David Davidson, all of Charlottesville.

Mrs. Crenshaw is a 1964 graduate of Carson-Newman College, and has done graduate work at the University of Tennessee. She will be employed by the Charlottesville Public School system as a teacher of health and physical education.

The groom attended Carson-Newman and at present is attending the University of Virginia. He is employed by Hill and Irving, Charlottesville, where the couple will reside at 1029 Locust Avenue.

The bride's parents honored the couple at a reception at the church, following the vows.

'Humanity Is Our Strength'

Let life challenge you, and be confident in your reply. For you are a man, and the hardships of life are sent you not by an unkind destiny to crush you, but to challenge you. Our humanity is not our weakness, but our strength.

When a man is determined, what can stop him?
Cripple him, and you have a Sir Walter Scott.

Bury him in the snow at Valley Forge, and you have a George Washington.

Strike him blind, deaf and you have a Helen Keller.

Have him born in abject poverty and you have a Lincoln.

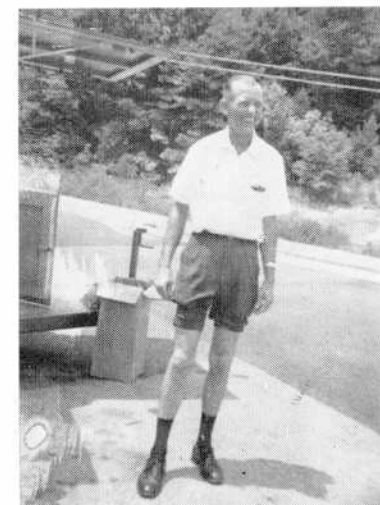
Disable him with polio and you have a Franklin Roosevelt.

And despite much of the artificiality of life around us, the two greatest words in the English language still are "I CAN!"

Of the 92 square miles in the Oak Ridge area, more than 60 square miles are still owned by the Atomic Energy Commission.



FUN, FOOD, LEGS . . . scenes from A Shift's family picnic held July 28 at Concord Park. In the lower left, B. G. Dyer's boys (and friend) take to the dogs! At left, L. A. Litton makes his modeling debut. (He left his Bermuda shorts at home . . . so rolled his trouser legs to keep in style!)



A Shifters Stage Big Picnic Recently At Concord Park

What a wonderful day for a picnic, say A Shifters, about July 28. It was that Wednesday that some 191 folks turned up for the A groups annual family picnic. The point was Concord Park overlooking Fort Loudon Lake.

The 54 families present enjoyed the delicious barbecued ham and the 'hungry-man' sized trimmings. Volley ball, badminton, horseshoe, amusement rides, softball, bingo, and even boat-riding delighted children and grownups alike.

The day came to an end with regrets . . . relieved only by the anticipation of another such event next summer!

ANCHORS AWEIGH!

Anchors that attach themselves to the ocean bottom by explosive forces are being tested. An experimental 3,300-pound device that can be explosively embedded into the sea bottom is expected to perform the same task as a conventional anchor system weighing 55,000 pounds.

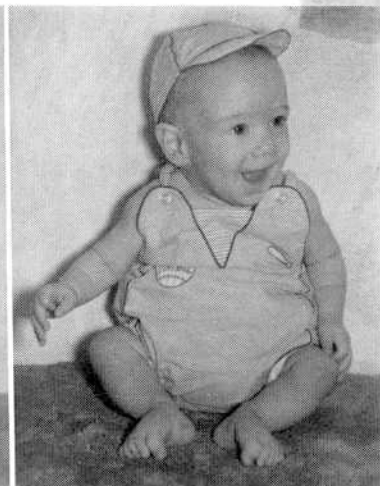


Ride wanted from Bradshaw Garden Drive, Norwood area, Knoxville, to North or Central Portal, straight day. Fred Clark, plant phone 3-7308, home phone Knoxville 523-4595.

Ride wanted from corner of Beaver Creek Drive, Clinton Highway, to North Portal, straight day. B. W. Heath, plant phone 3-7417, home phone Powell 947-6582.

Ride wanted from Sweetwater to any portal, straight day. R. B. Zimmerman, plant phone 3-7705, home phone Sweetwater 337-7182.

Security is an individual responsibility.



THESE JUNIOR Y-12ERS are the property of D. R. Kessell, Planning and Estimating. They are Daniel, age three; and Michael, six months. Fine boys, too, aren't they?



PEGGY CRABTREE AND DAUGHTER RHONDA enjoyed a visit to the New York World's Fair recently . . . and are seen the second and third from left. They are the wife and daughter of R. E. Crabtree, Production Assay. As everyone else, Peggy says wear comfortable shoes. The fair closes in October . . . so if you're going, you'd better be at it.

Recreation



Monday, August 23
SOFTBALL LEAGUE: Beginning 6 p.m. Ball Hawks vs Permits; Teds vs Bat Boys; Plant & Equipment vs Stems.
TENNIS LEAGUE: By arrangement as per schedule.
Tuesday, August 24
SOFTBALL LEAGUE: Beginning 6 p.m. K-25 Instruments vs Instrumentation & Controls; Eagles vs Permits; Apprentices vs Mets.
Wednesday, August 25
GOLF: 4:30 p.m. Deadline for entering Niota Tournament, Saturday, August 28.
Thursday, August 26
SOFTBALL LEAGUE: Beginning 6 p.m. Bums vs Nucons; Ball Hawks vs Biology; K-25 Mets vs Braves.
ARCHERY LEAGUE: 6 p.m., Oak Ridge Sportsmen's Association.
HORSESHOE LEAGUE: 7:30 p.m., Oak Ridge City Courts.
PHYSICAL FITNESS: 7:30

p.m., Oak Ridge High School Gymnasium.
Saturday, August 28
PRODUCT ENGINEERING DIVISION PICNIC: Beginning 10 a.m. Carbide Park, Melton Hill Lake.
GOLF: Springbrook (Niota) Club, Niota, Tennessee. First tee-off at 6:30 a.m.

Niota Tournament Entry Time Nigh

This is Y-12ers' last chance to enter the last golf tournament (inter-plant) of the year. Below is the coupon for entering Saturday, August 28's battle at the Springbrook Country Club, Niota. Deadline for filing is next Wednesday, August 25 at 4:30 p.m. Drawings for times will be held the next day, and foursome leaders will be notified by telephone of the exact starting time. Those desiring golf carts at Niota may reserve them by calling Niota 385-3500. Recreation is not handling golf cart appointments. Meanwhile, Recreation has broken the All-Carbide Tournament news, appearing elsewhere in the Bulletin.

Tee-Off Time Application For Springbrook Tournament

(At Niota)

Saturday, August 28

Foursome

_____, Leader

Leader's office phone _____
Home phone _____
Tee-Off Time Preferred _____

Fill out completely and return to the Recreation Office, Building 9704-2. Deadline for entering is 4:30 p.m. Wednesday, August 25. Tee-off times will be drawn the next day, August 26, at 9 a.m.

Softball Action Is Now In Homestretch

Eagles, Braves Are Tied In 3rd Place

Down the homestretch went the Softball League last week . . . with the Isotopes Reactor team still way out in front. The week's action began as the Apprentices held off the Stems 10 to 6. Bob MacRae took a homerun for the winning team.

The Permits slipped by the Braves in Monday's second game 8 to 6. Bill Butterini bull-dozed a long one for the losers. . . . Ray Vandermeer did likewise for the winners.

Biology finished off the first night's action by finishing off the Nucons in a close one, 18 to 16. Wayne Parsons clobbered two homers for the winning team, Jack Addison collected one.

Tuesday's initial game saw two Y-12 teams collide as the Eagles earned a win over the Bat Boys 10 to 6. Frank Koon knocked a homer for the Eagles; John Evans for the Boys.

Atoms Defeat Bums

Y-12's Atoms took the Bums by a 15 to 12 score in Tuesday's second battle. Jim Halsey and Paul Febbo found four-baggers for the Atoms.

Instrumentation & Controls took a close win from the Ball Hawks in final action Tuesday, 15 to 14. Charlie Kirkwood had a four-bagger for the I&C team; L. C. Manley had one of the Ball Hawks.

Isotopes Reactor strengthened their hold on first place, but not easily in Thursday's opener. They squeaked by the Plant & Equipment team 16 to 12 . . . as the lead changed several times. Harold Adair poled two homers for the winning IR team; Butch Armistead took one. Chesney and Smith poled long ones for the losers.

Y-12 Teds Lose

The K-25 Instruments took the Teds 18 to 11 also Thursday. Larry Hammons knocked two homers; Jerry Adams and Jim Dripps knocked one each. For the losers it was R. E. Gibson and Spence Ferguson.

The final game of the week saw the X-10 Mets down the K-25 Mets 13 to 10. For the X-10 crowd it was Niel Tuttle, Henry Tuck and Tom Tuck, all with long homers. Bill Martin made one for the losing Mets.

League standings follow:

Team	W	L
Isotopes Reactor	14	0
ORNL Mets	12	3
Plant & Equipment	10	4
Braves, Y-12	10	4
Biology	10	4
Eagles, Y-12	10	4
K-25 Mets	9	5
Permits	9	5
Bat Boys, Y-12	8	6
K-25 Instruments	8	6
Instrumentation & Controls	7	7
Apprentices	6	8
Ball Hawks	4	10
Nucons, Y-12	3	11
Teds, Y-12	2	12
Stems	2	12
Atoms, Y-12	2	12
Bums	1	14



"Have you got a coin?"



DEBORAH PRYSON, daughter of Joe Pryson, Gage Certification Laboratory, provided papa with this, her idea of perfect form on the golf course. Naturally, Pryson will try out his skill on the greens for the All-Carbide tournament, slated for September 18 and 19 at Melton Hill Country Club.

All-Carbide Golf Tournament At Melton Hill, Sept. 18, 19

The 1965 All-Carbide Golf Tournament will be held two days in September at the Melton Hill Golf and Country Club, Clinton. The time set is Saturday and Sunday, September 18, 19. It is open to all Nuclear Division employees who have established a handicap in a 1965 plant tournament or who qualify by playing 18 holes prior to the entry deadline.

The entry deadline is 4:30 p.m., Friday, September 10. Employees wishing to enter the three-plant competition must submit at least a threesome on the entry blank that appears in the plant newspapers, indicating a preference of Saturday, September 18, or Sunday, September 19.

Replacements for drop outs only will be allowed to enter after deadline if they have established a handicap as required under the rules and regulations of the tournament.

Twosomes may not enter; threesomes will be allowed, if necessary.

The three Recreation offices will draw tee-off times, and the first times will begin at 7 a.m. on the front nine only.

Course Is Popular

Greens fees at the Melton Hill Course, where Y-12ers played a plant tournament during July, is \$3. The course proved the most popular ever for Y-12ers, bringing out a record 160 golfers.

Participants in the All-Carbide tilt will be placed in one of four divisions on the basis of handi-

caps that will be computed as follows: Golfers who have played in three or more plant tournaments during this year will have their handicaps computed from the average of their three lowest 1965 tournament scores. Golfers who have played in two tournaments will have handicaps computed from the average of the two tournament scores and golfers who have played in one tournament will use the handicap established there. Handicaps are computed on the basis of 70 per cent of the difference between the golfer's average and par 72.

Non-Players May Qualify

Those who have not participated in a tournament for the three plants must establish a handicap by playing a qualifying round of 18 holes prior to the entry deadline. An attested score must be turned in to the respective Recreation Office.

Prizes will be golf balls, awarded in each of the four divisions on a 10, 8, 6, 5, 5, 2 golf balls for each respective place and the first six handicap scores in each division will be awarded balls on the same ratio. Golfers may not win in both scratch and handicap divisions, but will be awarded the number that would bring them the most golf balls.

Hole-In-One Contest

Each division will also feature a hole-in-one contest (number eight on the front nine), and (number 11 on the back nine) and winners will be determined

Continued on Page 4

ENTRY FORM

1965 All-Carbide Golf Tournament

MELTON HILL COUNTRY CLUB

September 18 & 19, 1965

Please enter the foursome, as listed below, in the All-Carbide Golf Tournament, subject to the rules governing this event. Preference: Saturday, September 18 ☐
Sunday, September 20 ☐

NAMES OF FOURLSOME:

1. _____ 3. _____
2. _____ 4. _____

Signature of Member entering this Foursome _____ Plant Phone No. _____

(Complete and send to: Recreation Dept., Bldg. 9704-2).

UNION CARBIDE CORPORATION
NUCLEAR DIVISION

 Post Office Box Y
 Oak Ridge, Tennessee—37831

RETURN POSTAGE GUARANTEED

 BULK RATE
 U. S. Postage
PAID
 Oak Ridge, Tenn.
 Permit No. 71


Mid-August finds more Y-12ers celebrating important milestones with Union Carbide Corporation. Congratulations.

20 YEARS

Archie R. Palmer, Area Five Maintenance, August 18.

Mattie E. Anderson, Production Assay, August 19.

Doyle B. Williams, Guard Department, August 21.

Vernoy R. Sexton, Chemical Services, August 21.

15 YEARS

John O'Neal Loy, Utilities Administration, August 18.

Charles J. DeHart, Dimensional Inspection, August 18.

Wayne R. McClellan, Special Services, August 18.

Roy C. Byrd, General Mechanical Engineering, August 18.

Clarence J. Maddux Jr., Area Five Maintenance, August 18.

Burnett R. Cabbage, General Machine Shop, August 18.

Charles E. Helfenberger, Research Services, August 21.

John F. Gregory Jr., Ceramics and Plastics Development, August 21.

Paul Abner, Buildings, Grounds and Maintenance Shops, August 21.

Benjamin F. Turnbull, Dispatching Department, August 21.

Nerge B. Bloomer Jr., H-2 and F-Area Shops, August 21.

Harold D. Cofer, Area Five Maintenance, August 23.

Columbus A. Cox, Utilities Administration, August 24.

10 YEARS

Hubert J. Russell, 9215 Rolling, August 21.

AICHe Planning Summer Seminar

The Knoxville-Oak Ridge Section of the American Institute of Chemical Engineers is beginning their summer seminar tonight. The two summer classes are set from 7:30 p.m. until 9:30 p.m. tonight and tomorrow night, August 18, 19.

They will be held at the Oak Ridge Institute of Nuclear Studies Training Building (behind the AEC Administration Building), in Room 18.

Tonight's seminar will be Modern Analytical Chemistry," J. C. White; "Spectroscopy in Analytical Chemistry," C. Feldman; and "Special Material Analyses," by W. R. Laing.

Tomorrow night's seminar will concern "Gas Chromatography," by H. H. Ross; and "Radio and Nuclear Chemistry," by R. L. Hahn.

All members of the AICHe are invited as well as non-members. There is no charge for the seminars.

Former Y-12er Is With International

There was more to the recent announcement that Union Carbide International was going to expand in Sweden than met the eye, in the original release. A former Y-12er, who left Y-12 back in 1960, is involved in the expansion. David L. Hansford, formerly of Development Operations, is now in England doing work on the planning end of the plant growth. In about a year he will transfer to the Stenungsund, Sweden plant, which is located near Gothenburg. Hansford just returned from Puerto Rico after working there. He was previously at Houston with the International Division.

Most of this information was gained from Hansford's father-in-law, another ex-Y-12er, William M. Hopkins. Hopkins retired from the Engineering Division about the same time his son-in-law transferred to the International Division.

Oh, yes, Hopkins also reports that Barbara and the three grandchildren have joined Hansford in England.

All-Carbide Tournament

Continued from Page 4

on the basis of the three golf balls nearest the cup. The ball must lie on the green, and the first place wins three balls; second place, two; and the third place, one ball.

U.S.G.A. rules will govern the tournament unless altered by local course rules.

When the tee-off times are drawn, the foursome leader will be notified of the starting time.

Questions concerning the tournament should be directed to Bob Cantrell, extension 3-7109.

The coupon below is the official entry for the All Carbide Golf Tournament.

Special Seminar Set Monday, August 23

A special seminar is set by ORNL's Physics Division next Monday. It will be conducted by Andre Michaudon, CEN, Saclay. He will discuss a "Study of the Statistical Properties of the Interaction of Resonance Neutrons with Fissile Nuclei."

The seminar is set for Monday, 3:15 p.m., August 23, in the Central Auditorium of the 4500 Building.

Photodisintegration Is Physics Seminar Topic

Friday's Physics Division seminar is announced as "Photodisintegration and N¹⁴." It will be conducted by R. D. Edge, University of South Carolina.

It is set for 3:15 p.m. Friday, August 20, in the East Auditorium of ORNL's 4500 building.

THE NATIONAL DRIVERS TEST

OFFICIAL TEST FORM

A. JUDGMENT

Defensive Driving Techniques

circle correct letter

1. a. b. c. d. ☐ SCORE
2. a. b. c. d. ☐
3. a. b. c. d. ☐

B. KNOWLEDGE

Rules of the Road: circle T [true] or F [false]

- | | | |
|---|--|--|
| 1. T. F. . . . <input type="checkbox"/> | 6. T. F. . . . <input type="checkbox"/> | 11. T. F. . . . <input type="checkbox"/> |
| 2. T. F. . . . <input type="checkbox"/> | 7. T. F. . . . <input type="checkbox"/> | 12. T. F. . . . <input type="checkbox"/> |
| 3. T. F. . . . <input type="checkbox"/> | 8. T. F. . . . <input type="checkbox"/> | 13. T. F. . . . <input type="checkbox"/> |
| 4. T. F. . . . <input type="checkbox"/> | 9. T. F. . . . <input type="checkbox"/> | 14. T. F. . . . <input type="checkbox"/> |
| 5. T. F. . . . <input type="checkbox"/> | 10. T. F. . . . <input type="checkbox"/> | 15. T. F. . . . <input type="checkbox"/> |

C. PERCEPTION

Hazards Alertness

List one key word for each driving hazard you see and total number between brackets below.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

NUMBER ()

SCORE ☐

D. SPECIAL

circle correct letter

1. a. b. c. d. ☐ SCORE
2. a. b. c. d. ☐

TOTAL SCORE

This test form is printed for your convenience in marking your answers, totaling your score and comparing it with those of your family and your friends.

"The National Drivers Test" is produced by CBS News in cooperation with the National Safety Council and sponsored by Shell Oil Company.

Hobbs Takes 1st Half Tennis Crown

Robert A. Hobbs took the crown in the Tennis League's first half last week. He downed two opponents . . . Ed Del Grande 6-0, 6-1; and Dick Huber 6-0, 6-0.

Other matches saw Jack Cowen take J. W. Cooke 6-0, 6-1; Max Scott over Dick Huber 6-0, 6-0 via forfeit. Ed Del Grande won two matches . . . by defeating Bob Bass 4-6, 6-2 after losing set number two 6-1. DelGrande also took Campbell King 8-6, 6-1.

Dick Huber defeated Evelyn Clark 6-1, 6-1 and Campbell King 6-3, 6-4 after King took set number one 8-6.

Final 1st Half Standings:

Player	W	L
Robert A. Hobbs	11	0
Ralph Levey	9	1
Jack Cowen	7	2
Don Legacy	4	4
Max Scott	4	3
Ed DelGrande	4	4
J. E. Harrell	4	4
Bob Bass	4	4
Campbell King	3	8
R. A. Huber	2	8
J. W. Cooke	0	5
Evelyn Clark	0	8

Kendig-Zupan New Horseshoe Leaders

The Kendig-Zupan pair moved into the lead in the Horseshoe League last week by taking nine points from Harness-Tillery, and five from Clark-Wagner. Barger-Luckett won six from Gray-Leonard; and Raper-Tinley took nine from the Gallman-Helms team by forfeit.

The Wyatt-Lucke, Clark-Wagner tilt was postponed until this week.

League standings follow:

Team	W	L
Kendig-Zupan	29	7
Gray-Leonard	26	10
Barger-Luckett	26	10
Raper-Tinley	26	10
Clark-Wagner	15	12
Gallman-Helms	6	30
Harness-Tillery	5	31
Wyatt-Lucke	3	24

National Drivers' Test Is To Be Rerun Before Labor Day

With This Ring I Thee Injure!

"With this ring . . . I thee injure," could well be the new vows in matrimony.

The Y-12 Safety Department recently pointed out the potential dangers of wearings rings and other ornamentation while on duty in an industrial complex.

The ring . . . a symbol of love and affection . . . can become a device of destruction.

The National Safety Council recently pointed out an accident where a stock checker grasped at a rack in falling. His ring lodged in the storage rack, and his complete weight was supported by his ring finger. Severe damages, causing amputation, were sustained by the employee.

Rings have caused accidents in Y-12, too. An employee was injured reaching for a safety gate . . . catching his ring on a hook in the gate. The gate lifted him six to 10 inches above his reach, and his ring finger was broken.

While the ring may be an outward expression of an inner emotion, it should not become a source of danger.

On the job, watch those rings, identification bracelets, and other pieces of jewelry. Remove them, if necessary, and keep them in your locker.

VIEW FROM THE TOP

The highest post office in the world is located at Cerro de Pasco, Peru, situated at an altitude of 14,385 feet. This is more than twice the height of our own Mt. LeConte!

Because of the unprecedented public response to the May 24 National Drivers' Test, the CBS-TV network will rerun the quiz before the long Labor Day Weekend. (WBIR-TV, Channel 10, Knoxville says the repeat will be shown locally Monday, August 30, at 10 p.m.)

The program was widely acclaimed and was the highest rated single-network sponsored public service program in TV history. Since many employees may have missed the initial showing, it is a good opportunity for them to test their own driving skills.

The test form has been revised and improved slightly. It appears in this issue of the Bulletin.

More than 32,000,000 people tuned in to test their driving skills on the revealing test, shown just before last Memorial Day.

Millions more may have missed it. And many want to try to improve their first-time scores, and, more importantly, their driving skills. For them — and for you who missed it — be sure to catch it again Monday week.

That's Monday night, August 30 . . . Channel 10, Knoxville, at 10 p.m.

Find out how good a driver you really are!

The telecast tests drivers' judgment in two-car collision situations, their knowledge of road rules, and their ability to notice driving hazards. Film sequences illustrate each driving situation. These were shown in both slow-motion and at normal speed to allow viewers to share the experiences of a collision, staged by stunt drivers.

Be sure to see this outstanding repeat.